

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone

Estimate Cost Rs.

40.04 Lakhs

Name of Work:-Improvements to drains and asphaltting to main and cross roads in
Someshwaranagara in ward no:04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift up to 1.5m.excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Removal of spoil Bank in 1st cross		1	40.00	8.50	0.80	272.00		
			1	26.50	8.50	1.50	337.88		
							609.88	75.60	46107.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	Road levelling:-		1	50.00	11.20	0.30	168.00		
			1	26.50	11.30	0.30	89.84		
			1	50.00	4.00	0.30	60.00		
			1	67.00	5.30	0.30	106.52		
	Solid block Drain		1	49.00	0.90	0.75	33.08		
	For culverts		1	4.00	1.50	0.90	5.40		
							462.83	264.60	122465.00
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	264.60							

3	KSRB 4.1.2:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS 4.1,4.2 (Item no: 4.3,Page no12, PWD SR 2014-15)	Cum							
	Road concrete:-	1	50.00	11.20	0.15	84.00			
		1	26.50	11.30	0.15	44.92			
		1	50.00	4.00	0.15	30.00			
		1	67.00	5.30	0.15	53.25			
	Solid block Drain	1	49.00	0.90	0.12	5.29			
	For culverts	1	4.00	1.35	0.12	0.65			
						218.11	4847.04	1057200.00	
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no12,sno4.6)	Cum							
	Road concrete:-	1	50.00	11.20	0.15	84.00			
		1	26.50	11.30	0.15	44.92			
		1	50.00	4.00	0.15	30.00			
		1	67.00	5.15	0.15	51.79			
	Solid block Drain	1	49.00	0.45	0.10	2.21			
						212.91	5847.12	1244911.00	
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	5847.12							

5	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery screed vibratory, power floater, blade and disk etc., with all lead and lift etc as per specifications (P.NO171/22.7)	Sqm							
	Road concrete:-	1	50.00	11.20		560.00			
		1	26.50	11.30		299.45			
		1	50.00	4.00		200.00			
		1	67.00	5.18		346.81			
						1406.26	97.20	136689.00	
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
6	KSRB 5-15: Providing and constructing Non load bearing wall with cement concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1985 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28)	Sqm							
	Solid block drain	2	49.00		0.60	58.80			
						58.80	724.68	42611.00	
	Basic Rate	671.00							
	Area Weightage @ 8%	53.68							
	Total	724.68							
7	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	Culvert bottom slab	1	4.00	1.30	0.20	1.04			
	Side walls	2	4.00	0.20	0.80	1.28			
	Deck slab	1	4.00	1.05	0.23	0.97			

	Deck slab		1	7.50	1.50	0.23	2.59		
							5.87	6065.28	35624.00
10	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications. Specification no.KBS 4.6.3,TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.46)	Qtl							
	For culvert 90 kg / cum						5.29		
							5.29	7905.60	41790.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm							
	Side walls		4	4.00		0.80	12.80		
	Deck slabs		1	4.00	0.60		2.40		
			1	7.50	0.60		4.50		
	Sides		2	4.00		0.23	1.84		
			2	7.50		0.23	3.45		
							24.99	292.68	7314.00

12	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	Cum							
	For dipression filling		20	1.50	1.20	0.20	7.20		
	Pot holes		10	6.00	1.05	0.20	12.60		
	Road cuttings		1	20.00	1.00	0.20	4.00		
	Road cut portion		1	50.00	3.00	0.20	30.00		
							53.80	1438.56	77395.00
13	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm							
			1	115.00	6.66		765.72		
							765.72	35.21	26961.00

14	KSRRB M500-19: Providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications, MORTH specification NO. 509, No.169 Item No. 21.22.1.PWD SR 2014-15.	Cum							
			1	115.00	6.66	0.040	30.63		
	Basic rate	10104.00					30.63	10912.32	334244.00
	Add 8% AW	808.32							
	Total	10912.32							
15	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Solid block Drain		1	49.00	0.75		36.75		
			1	18.00	0.90		16.20		
	Missing slabs		303	0.90	0.60		163.62		
							216.57	1498.00	324421.86
16	KSRRB M100-1 Loading and unloading of stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no	Cum							
			Vide Item No. 3+4				1072.71	68.04	72987.00
							TOTAL		3570720.00

KRIDL Charges 11%								392996.00
Quality Control charges 1%								35727.00
Miscellaneous charges	L/S							2587.00
							Total RS	4004000.00
(Rupees forty lakhs four thousand only)								

Certificate:-

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per C.S.R. of 2014-15
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

K. M. S. Naidu
Assistant Engineer
Ward no: 04

[Signature]
Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

[Signature]
Executive Engineer
Yelahanka Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs 4004000

Rupees Forty lakhs four thousand only

Under P 2415 Reserve fund for T & F Committee

Rs. 4004000 EE () No. 9/9

Subject to conditions contained in enclosed memo EE () No. 9/9

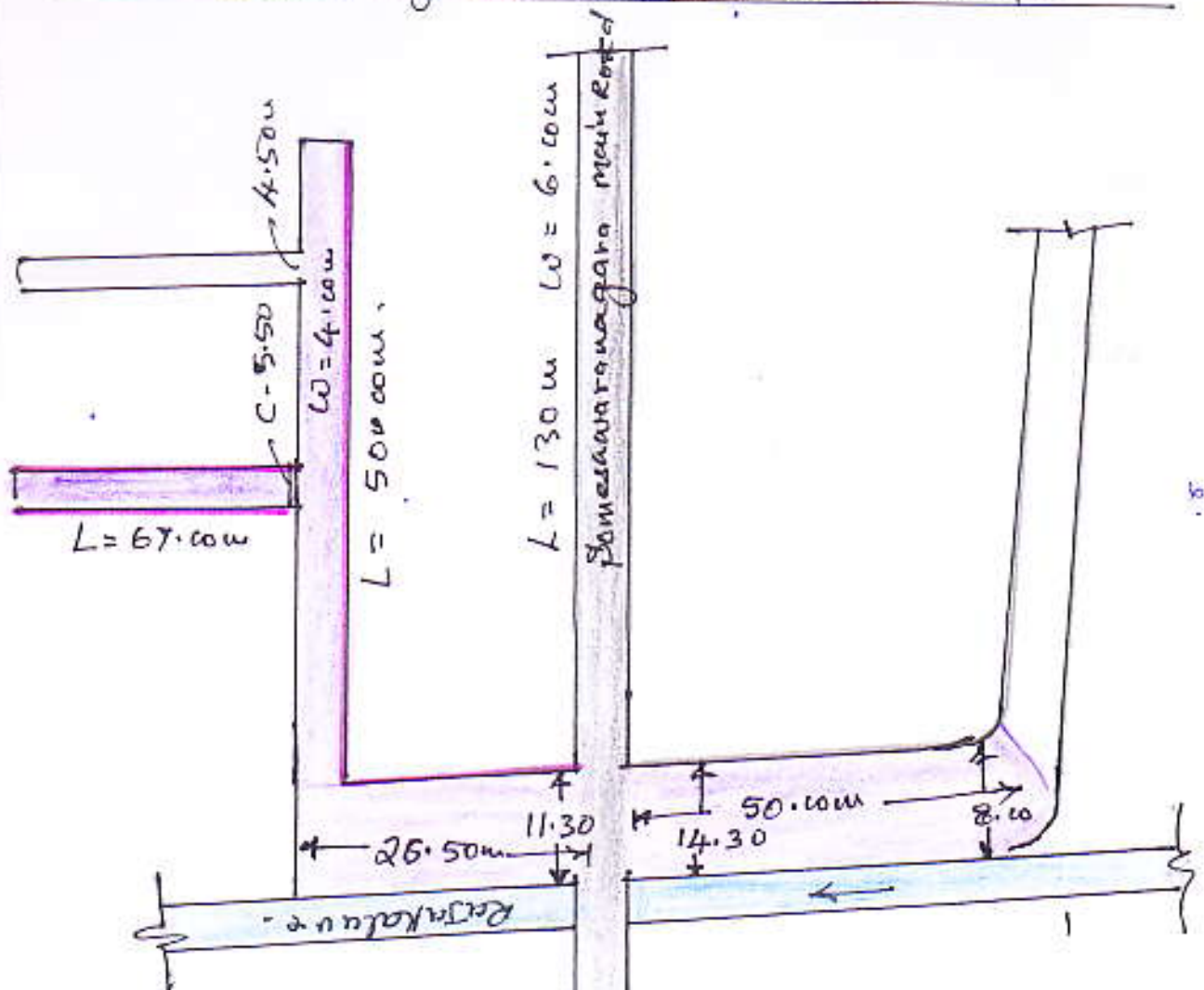
Dt. 04/12/14 Estimate No. BBMP/YNK/JC/AA/1053/14-15

dated 04/12/14 Rs. 4004000-/-

[Signature]
Addl. Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

ADMINISTRATIVE Sanction for Rs.	
Technical Sanction	
Accorded for Rs. 40.04 lakhs	
P2415	
Registered as CE No. 79	Dt. 04.12.14
Subject to Conditions contained in enclosed memo	
No. <u> </u>	Dt. <u> </u>
AE/EE	TA
SE (BTP)	CE (BTP)

N/W! Improvements to drain and Asphaltting to main and cross roads in Somesh Waranagara in ward No. 04.



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- proposed RCC drain

K.M. Hallu AE

John